METHOD AND APPARATUS FOR PROVIDING A DISTRIBUTED ARCHITECTURE DIGITAL WIRELESS COMMUNICATION SYSTEM

Abstract of the Disclosure

A communication system supports H-ARQ, AMC, active set handoff, and

5   scheduling functions in a distributed fashion by allowing a mobile station (MS) to signal control information corresponding to an enhanced reverse link transmission to *Active Set* base transceiver stations (BTSs) and by allowing the BTSs to perform control functions that were supported by an RNC in the prior art. The communication system allows time and SIR-based H-ARQ flush functions at the BTSs during soft handoff (SHO), provides

10   an efficient control channel structure to support scheduling, H-ARQ, AMC functions for an enhanced reverse link, or uplink, channel in order to maximize throughput, and enables an MS in a SHO region to choose a scheduling assignment corresponding to a best TFRI out of multiple assignments it receives from multiple active set BTS. As a result, the enhanced uplink channel can be scheduled during SHO without any explicit

15   communication between the BTSs.